F758

Agricultural Extension Service
The University of Tennessee

# Forage and Grain Testing Information Sheet

Fill out form (one for each sample) as completely as possible. See reverse side for sampling and mailing instructions.

Name:_____ County:_____ Phone:(_____)_____

Address:_____ City:_____ State:_____ Zip:_____

Fax No.:(_____)_____
$1 charge for report to be faxed

E-mail:_____ Sample No.:_____

Cost: $10 for basic test — dry matter, moisture, crude protein, acid detergent fiber, total digestible nutrients

## Type of Sample (Samples containing livestock waste cannot be analyzed at this laboratory.)

❑ hay ❑ silage or haylage ❑ fresh cut ❑ grain ❑ forage/grain mix

## Type of Crop (for mixed hay or feed; check all that apply)

GRASSES

❑ tall fescue ❑ bermudagrass
❑ orchardgrass ❑ millet
❑ timothy ❑ sorghum x sudan
❑ small grain ❑ corn
❑ ryegrass ❑ sorghum
❑ other_____

LEGUMES

❑ alfalfa ❑ soybeans
❑ white clover ❑ vetch
❑ red clover ❑ lespedeza
❑ other_____

GRAINS (no commercial feeds)

❑ corn ❑ oats
❑ wheat ❑ barley
❑ other_____

## Type of Animal (if ration balancing is desired)

BEEF CATTLE ❑ Bulls
❑ Nursing cows ❑ Dry cows
❑ Replacement heifers
Stocker: ❑ Steers ❑ Heifers
Avg. weight:_____
Daily gain desired:_____
Other:_____

DAIRY CATTLE
❑ Dry cows
❑ Replacement heifers
❑ Lactating cows
Breed:_____
Pounds milk/cow/day:_____
Average weight:_____

HORSES ❑ Lactating
❑ Nursing foal (creep feed)
❑ Weanlings ❑ Yearlings
❑ Light work (0-2 hrs/day)
❑ Medium work (2-4 hrs/day)
❑ Heavy work (over 4 hrs/day)

SHEEP ❑ Dry ewes
Lactating ewes: ❑ single ❑ twins ❑ triplets
Avg. weight:_____
Other:_____

POULTRY
❑ Broilers ❑ Layers

SWINE ❑ Lactating Sows
❑ Bred gilts, sows, adult boars
❑ Weaned pigs (10-25 lb)
❑ Nursery pigs (25-50 lb)
❑ Grower hogs (50-75 lb)
❑ Finishing hogs (75-240 lb)

# Sampling Information

**Results and recommendations are no better than the sample submitted for testing. Please follow the sampling suggestions below for best results.**

**How much is needed?** Approximately ½ gallon of sample (forage or grain) should be sent for an adequate test.

**HOW TO SAMPLE**

**Hay** — obtain samples from approximately 10 bales. Best samples are obtained with the use of a forage sampling probe. Check with your local Extension office about the availability of these samplers. For square bales, take one core from one end of each bale. For round bales, take a sample from each side of the bales. If grab samples are taken, be sure to obtain a representative sample.

**Silage or haylage** — if haylage is in round bales, follow the same procedures as for round baled hay. If haylage or silage is chopped, then obtain 2-3 gallons of material from 10-15 places in the silo. For upright silos, run unloader and collect 1 sample per minute for several minutes. In both situations, mix all of the collected material together, then fill sample bag with this mixture. Be sure to seal bag to ensure correct moisture determination.

**Grain** — obtain several small samples from different areas of the bin or storage area. Mix as listed above. Commercial feeds should not be submitted.

# Mailing Information

1. Seal the plastic bag containing the sample to be tested.
2. Put name and sample number on bag. Sample number is important for identification during the laboratory process, especially when more than one sample is submitted.
3. Be sure that name, address and sample number on information sheet correspond to information on bag.
4. There is a $10 per sample charge for the basic test. Make checks payable to "The University of Tennessee." If samples are wet, place checks and forms in an envelope and mail separately.
5. If you want your report to be faxed, there is an additional $1 charge. Please include this in your check.
6. Mail samples and envelope to:

**Forage Testing Laboratory**
**Plant Sciences**
**The University of Tennessee**
**2431 Joe Johnson Dr.**
**Knoxville, TN 37996-4500**

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